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Town of Fremont, New Hampshire 2010 Mosquito- borne Disease Program

Annual occurrences of mosquito- borne disease in New Hampshire has prompted a need for a comprehensive mosquito control program in Fremont. The program will include the integration of various methods of reducing mosquito vector species of West Nile Virus and Eastern Equine Encephalitis.

The following is a chronological sequence of proposed activities and associated costs for 2010:

January 2010

- Prepare and submit state permit application
- Estimated cost: \$0

March 2010

- Locate and document specific larval habitats of “spring” mosquitoes
- Contact landowners for permission to complete larviciding.
- Notify public regarding reporting of potential mosquito breeding areas. Answer requests for surveying properties for mosquito breeding.
- Estimated cost: \$4,550.00 (includes 125 labor hours, transportation and materials)

April 2010

- Begin larval mosquito control applications (larviciding) and species determination. Provide species specific larviciding applications targeting disease vector species.
- Initiate public outreach programs- schools, elderly housing, and town website. Contact media and provide interviews and data.
- Estimated cost: \$7,460.00 (includes 285 labor hours, transportation and materials)

May 2010

- Larviciding of mosquito breeding areas and species determination
- Estimated cost: \$5,850.00 (includes 175 labor hours, transportation and materials)

June 2010

- Larviciding of mosquito breeding areas and species determination
- Initiate weekly mosquito trapping program for disease testing. Specimens identified to species and transported to Concord for testing (West Nile Virus and Eastern Equine Encephalitis). Weekly reporting to Health Officer with results.
- Estimated cost: \$6,250.00 (includes 220 labor hours, transportation and materials)

July 2010

- Larviciding of mosquito breeding areas and species determination
- Weekly mosquito trapping and disease testing program
- Estimated Cost: \$6,250.00 (includes 220 labor hours, transportation and materials)

August 2010

- Larviciding of mosquito breeding areas and species determination
- Weekly mosquito trapping and disease testing program
- Complete barrier (preventative) treatments to Library, Memorial field, Ellis School and Safety Complex. Controls ticks and mosquitoes
- Estimates cost: \$6,2550.00 (includes 220 labor hours, transportation and materials)

September 2010

- Larviciding of mosquito breeding areas and species determination
- Weekly mosquito trapping and testing program
- Complete barrier (preventative) treatments to Library, Memorial Field, Ellis School and Safety Complex. Controls ticks and mosquitoes
- Estimated cost: \$7,190.00 (includes 275 labor hours, transportation and materials)

October 2010

- Weekly mosquito trapping and testing until killer frost
- Document and control melanura (EEE) mosquito breeding areas
- Complete barrier (preventative) treatments to Library, Memorial Field, Ellis School and Safety Complex. Controls ticks and mosquitoes.
- Estimated cost: \$5,410.00 (includes 150 labor hours, transportation and materials)

Total 2009 proposed budget: \$49,550.00 (0 % increase from 2009)

Michael Morrison, Entomologist